

THE TECH

Boston, Massachusetts.

April 18, 1895.

Volume XIV.

Number 27.

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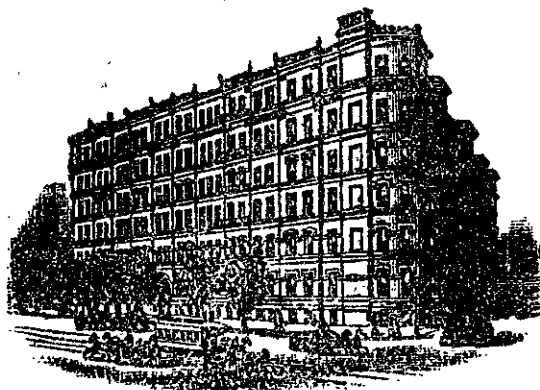
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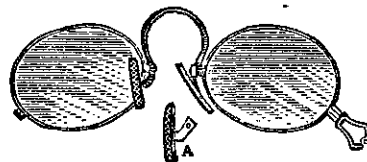
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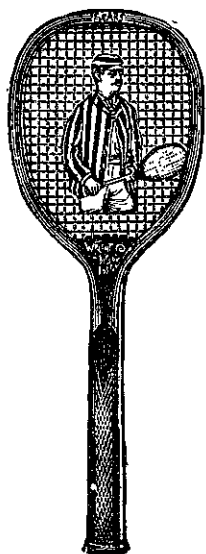
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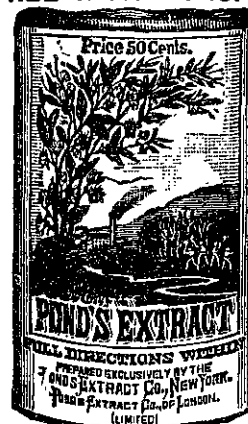
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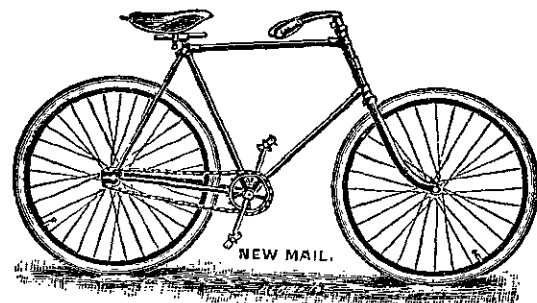
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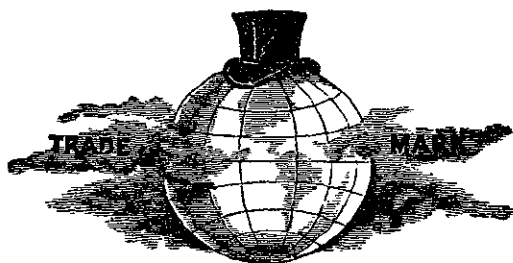


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THE TECH

VOL. XIV.

BOSTON, APRIL 18, 1895.

NO. 27.

THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

CHARLES GILMAN HYDE, '96, *Editor in Chief*.
EDWARD ARTHUR BALDWIN, '96, *Assistant Ed. in Chief*.
BENJAMIN HURD, JR., '96.
SHELDON LEAVITT HOWARD, '97.
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W. R. STRICKLAND, '98, *Ass't Business Manager*.

Subscription, \$2.50 per year, in advance. Single copies, 10 cts. each.

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

Entered in Post Office, Boston, Mass., as Second Class Matter.



THE feasting period has at length arrived, and now has all but passed — a feast of joviality in which Technology has cast aside her air of wonted sternness, and has well assumed the rôle of gay hospitality. With this advent of Junior Week our friends

have come, and we have welcomed them with utmost cordiality, hoping to impress a happy ideal of our college world and its varied effort. The Deutscher Verein, the Junior, through the committee which he has chosen, and the Musical Organizations, have each in turn royally entertained us, and their undertakings have become merry passages of a successful college history. To-night the last of the week's events will occur: L'Avenir will present its second histrionic attempt, and it will be a success.

We must commend to the fullest extent the conscientious labors of the many men to whom the encouraging outcome of the several events is due. A vast amount of work has been expended in planning and arranging in detail each occasion; and each has been proudly carried through because every man has done his duty well.

To all of our friends who remain after the round of events thus far, THE TECH, in the true spirit of the time, extends its heartiest greetings, and only regrets that they should of necessity be delayed. In substantial token of its welcome, and in appreciation of the true success of Junior Week, it will present in its next issue an extended souvenir of the time.

NOT at all the least important among the events of Junior Week was the appearance of the College Annual on Tuesday. Through the kindness of the editors we were enabled to obtain a copy in season for a short review of their work. "Technique," whose appearance has been awaited impatiently but not vainly, well deserves the success which it has experienced.

Without we find a cover symbolical of neither college nor class colors, yet presenting a neat and tasty design in gold and silver on a background of grey. Within is page after page showing careful and conscientious work in the desire to raise "Technique" even higher than the position which it now holds.

Following the facetious Calendar is a brief outline of the life of each Professor, together with a half-tone picture and his residence, the latter being a long-needed addition. It is impossible, without the intervention of full-page cuts, to arrange the Local Societies in chronological order, yet we regret to find them sifted in so promiscuously.

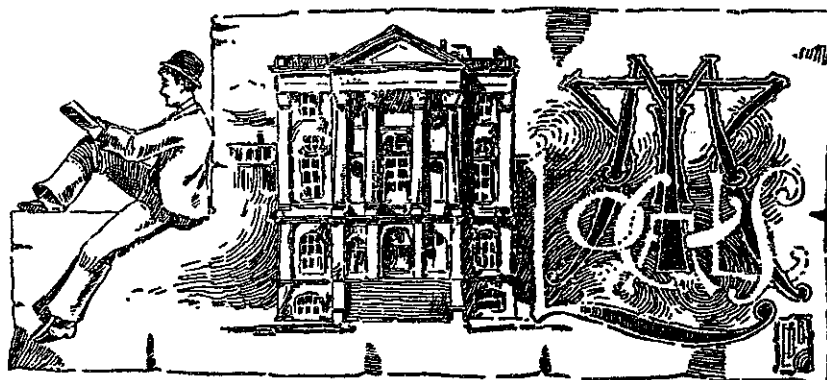
In special cases the cuts do not equal those of last year; their number has been increased, and as a whole their character improved not only artistically but also in fitness. One illustration, that of the Architectural Society, by E. Johnson Loring, '95, deserves especial mention.

The literary efforts occupy an unusually large space this year; some might well be omitted as the volume is fast attaining unwieldy dimensions. In the Grinds the editors have shown themselves rather indiscreet, seeming not to have profited by the experience of last year's board; we trust, however, that the victims will overlook their faults and take the jests in the spirit with which they were written. An alphabetical list of the entire student body is at times convenient, but hardly justifies placing Seniors and Freshmen in one confused mass. The rise in price, which the Board has seen fit to impose, was an unpleasant surprise to all. Ninety-seven will find here a chance to display their skill in returning to the former price of one dollar.

The effect of the co-operation of previous boards is well shown throughout the volume, the whole Institute is well represented in all departments, the typographical work is excellent, and the whole makeup such as becomes a leader of college annuals. Technology may well feel proud of this brilliant addition to her reputation.

THE success of the football training table, and the necessity for careful preparation for the Worcester meet, has led the management of the Track Team to take measures toward forming a training table this spring. The scheme, if undertaken, must be well supported by each man trying for the team, in order to produce a noticeable benefit. A half-hearted enterprise would certainly do more harm than good, and if the table is started, it is to be hoped that all will display a lively interest in its behalf.

AT the request of Professor Hofman, we publish this week a somewhat extended account of the Summer School of Mining and Metallurgy held last June at Halifax, and at Sydney, on Cape Breton, in Nova Scotia. It is hoped that a recounting of the events of a successful trip last year will do much toward arousing a special enthusiasm in the work of the School which will be held during June of the current year in the mining localities of New Jersey and Pennsylvania. Much of the success of the work undertaken in 1894 is due to the very considerable interest and coöperation extended by several well-known Mining Engineers of Canada.



The Rotch Designs were judged last week.

L'Avenir has not attempted to publish a libretto this year.

No meeting of the Geological Club was held last week.

The regular Applied Mechanics laboratory work finished last week.

Lieut. F. H. Twombly has been appointed Adjutant of the Regiment.

An examination in Political History was given the Freshmen last Thursday.

The Freshman ball team played the Chauncy Hall nine last Saturday at the clover field.

A large number of men in Co. C are going to drill voluntarily on Tuesday afternoons.

The last assignment of essays for the Freshman class in Political History has been made.

Professor H. W. Tyler lectured on "The Teaching of Mathematics" Saturday, April 13th.

The Mondaman Club held its monthly dinner at the Thorndike, and not at Parker's, as previously stated.

The Freshman classes have finished Plane Trigonometry. Solid Trigonometry will not be taken up this year.

K₂S held a smoke talk at their rooms last Thursday. Papers were read by Messrs. Walworth and Bigelow.

The Secretary has published a list showing the first term conditions which may be covered by second term work.

Prof. Elihu Thompson lectured on "Recent Developments in Electricity" to the Senior class, Thursday, April 11th.

The drawings for the Rotch competition have been on exhibition for a week, and have been visited by many of the students.

Professor Chandler is now in the north of Italy, and expects to visit Southern France and Spain before his return, about May 1st.

It has been decided to permit the use of the South Armory to the M. I. T. Cadets on May 11th. No dancing will be allowed.

The advertising in the Annual Catalogue of the Architectural Society has been placed in the hands of Mr. H. P. Coddington, '95.

The class in Comparative Anatomy, under Dr. Bigelow, is making a series of weekly excursions for a practical study of the subject.

The Glee, Banjo and Mandolin Club will give a concert at Lowell on Friday evening, April 19th. After the concert a dance will be given as last year.

The Mandolin Club will disband after the Lowell engagement, and Messrs. Small and Barber will render selections at future concerts.

Second year students in design were assigned as their last problem "A Bank Building for a Town of Ten Thousand Inhabitants," due on the 17th of April.

The chorus of the Deutsche Verein had their picture taken in costume on last Saturday. Several of the men had their photographs taken individually.

Students who contemplate entering the Summer School of Metallurgy can obtain circulars of information concerning it by applying to Professor Hofman.

The Cotton States International Exhibition, to be opened at Atlanta on September 15th, has invited the Architectural Department to send specimens of its work for exhibition.

A number of Cadets have taken advantage of the permission to use the Armory for practicing the manual, and have been hard at work almost every day perfecting the movements.

The Business Management issued, on Monday morning last, an attractive souvenir of Junior Week, consisting of a miniature reproduction, in color, of THE TECH, with a full calendar of events.

Mrs. Draper, who has given many valuable books to the Architectural Department for several years past, has recently presented it with a number of others which will soon be placed in the library.

At the last meeting of the Society of Arts Professor Markoe read a very interesting paper on chemical coloring matter. At the next meeting, on the 25th, Mr. Keith will speak on Fermentation.

A circular giving detailed information concerning the examinations of applicants for the position of Second Assistant Engineer in the U. S. Revenue Cutter Service, may be consulted at the Secretary's office.

Course IV. will carry on courses in Orders, Second Year Design, Shades and Shadows,

and Architectural History this summer, to accommodate those college graduates who wish to take up Third Year Design in the fall.

Captain Bigelow has very kindly informed the Harvard Cadets that they will need a license to drill with arms in public. An immediate arrest of the whole battalion would occur should they appear with equipments and without the necessary permit.

The following men have been measured for suits at Horace Partridge & Co.'s, for the '98 ball team: Barber, Emery, Underwood, Muhlig, Delano, H. Sargent, Bardwell, Nolte, Crowell, Tallmadge. The uniform will be gray, with blue cap, belt, and stockings.

In accordance with the wishes of a large number of Cadets, arrangements have been made to have the armory open Tuesday afternoons for Co. C, and Thursday afternoons for Co. D. The extra drills are held in special preparation for the coming competition.

In testing a large truss, recently, in the Engineering Laboratory, the lower lever in the 100,000-pound testing machine was broken. The indicated load at the time was 100,000 pounds. The accident, caused by the lever being weakened by the knife edge, can be easily repaired.

The new Rotch Scholarship has been won by a Technology man,—W. S. Aldrich. Mr. Aldrich was born in Maine, and first studied in I. C. Stevens' office in Portland. Later he came to Boston and entered Course IV. at the Institute. He is at present in the office of Blackall & Newton.

Last Tuesday, Mr. Bradley Stoughton smelted some copper bearing pyrites from the Davis mine of Western Massachusetts. The charge was very nicely adjusted, matte only being formed. The run lasted from 8 A. M. until 4 P. M., and was exceptionally successful in every particular.

The *New York Evening Post* of March 30th contains an article by Dr. Ripley on "New England's Supremacy in Cotton Manufactures," in which the peculiar climatic conditions which render the New England States particularly favorable for cotton spinning are discussed at length.

Twenty-four specimens of bolted tension-plate work, sent by the Boston Bridge Co., have been tested by students in the laboratory. These, together with the calibration of springs and the crushing of large spruce columns and spruce blocks, have given a good variety to recent tests.

The Boston Architectural Club opened an exhibition in Copley Hall on April 15th, in which the designs receiving mentions in the Beaux Arts Society competitions were placed, with the exception of those winning the medals and the first prizes, which have been kept in New York.

Mr. M. A. Sears, Course III., has been working in the Mining Laboratory on a chromium ore from Ontario, Canada. He has crushed and concentrated this ore, which initially contained twenty-five per cent of chromium, and will attempt to obtain a marketable product carrying fifty per cent of the metal.

The Electoral Committee of the Sophomore Class has elected the following men to their "Technique Board": Associate Editors, Wilfred Bancroft, R. S. Whiting; Society Editor, H. A. Noble; Athletic Editor, J. P. Ilsley, Jr.; Statisticians, C. Shuttler, F. E. Bragg; Business Manager, T. Washburn; Assistant Business Manager, E. M. Hawkins.

The Cadets of Companies C and D turned out but fairly well at the extra drills held last week. If Technology is to defeat Harvard in the competition of May 11th, a more hearty spirit must be shown. If every man will make it a point to be present at the remaining drills, Ninety-eight's victory will be assured; otherwise, defeat must be expected.

The Andover Club met Thursday last for the purpose of amending the constitution to the effect that officers shall be elected at the last meeting of each year, rather than at the first meeting. In accordance with this amendment, the Club proceeded to the election of officers, which resulted as follows: President, Howe, '96; Vice President, Dunn, '97; Secretary-Treasurer, Hooker, '97.

The following tests have been made on the Rope machine during the month: American and Russian hemp rope two and one-half and three inch, both tarred and dry, six inch and two and one-half inch manilla, and three inch sisal. These results, with the results of the private tests for the Plymouth Cordage Company, have resulted in a large amount of valuable data, comprising a complete series from sizes one and one-half to ten inch.

Professor Homer is completing arrangements for the Summer School to be held in Salem for the three weeks following the close of this term. Through the courtesy of the Essex Institute he has secured the use of Plummer Hall as the headquarters for the classes while in Salem. Trips will be made daily to Marblehead and other neighboring towns for the purpose of sketching, and the drawings will be completed on the return to Salem.

A. S. Coburn, Course III., has lately employed the stamp mill in the Mining Laboratory to crush a nickel-bearing pyrrhotite from Dracut, Mass. The crushed ore has been run over the Frue vanner, and the tailings obtained from this machine have been treated on the slime table. Mr. Coburn's thesis work consists in crushing and concentrating the nickel ore, roasting and smelting it to a matte. The problem of determining the best method of extracting the nickel from the matte will next be undertaken.

A special meeting of the Architectural Society was held early last week to take final action upon the question of publishing a cata-

logue of the Annual Exhibition of the Architectural Department. Mr. Mann made the report for the committee on last year's catalogue, which was accepted. Messrs. Faville, Bourne, Porter, Garfield, and Von Holst were appointed to arrange for the publication of a catalogue of the Annual Exhibition, and the Society voted to support its publication financially. Mr. Loring was appointed to arrange for a group photograph of the Society, to be taken in the near future.

The Department of Civil Engineering has been well alive to the interests of the students, and has provided during the past several weeks a number of able lecturers on subjects closely allied with third and fourth year work. The list of speakers and the topics chosen are as follows: General Roy Stone, Chief of the Bureau of Road Inquiry, in the Department of Agriculture, two lectures on Road Legislation and Road Construction; Mr. Henry Manly, Assistant City Engineer of Boston, in charge of pavements, two lectures on City Streets and Pavements; Mr. George A. Perkins, Chairman of the Massachusetts Highway Commission, two lectures on Road Legislation; and Colonel H. G. Prout, Editor of the *Railroad Gazette*, New York, one lecture on Steel Rails. The subjects were each treated in a comprehensive manner, and proved to be of very considerable interest to the members of Courses I. and XI.

The Summer School of Mining of 1894.

THE Summer School of Mining, under the direction of Prof. R. H. Richards, Prof. H. O. Hofman and Mr. J. P. Lyon, was held last year in Nova Scotia. The school consisted of the following members: W. P. Anderson, A. S. Coburn, B. Hodge, E. C. Jacobs, R. H. Lewis, C. E. Locke, G. Moore, C. S. Newhall, M. A. Sears, B. Stoughton, and C. R. Walker.

The party sailed from Boston for Halifax on June 2d, and were received upon landing by

Mr. J. E. Hardman, '77, Course III., who, as Manager of the Waverly Gold Mining and Milling Company, gave them the freedom of the mine for a week for the purposes of studying the practical part of mining, and making experimental tests.

Sydney, Cape Breton, was next visited, the party crossing the straits of Canso and passing along the shores of the Bras Dor lakes. While at Sydney the party, as the guests of Mr. David McKeen, General Manager of the Dominion Coal Company, were given an opportunity to study coal mining and construct a geological map.

Some interesting observations were also made in tracing the supposed course of a coal seam across a promontory.

The party further enjoyed, at Sydney, the hospitality of Mr. Brown, Manager of the Victoria mine, and under his guidance, examined the machinery and methods employed by him.

At different times during the session of the school the party was divided into squads which alternated in performing work above and below ground. Each squad had ten days of field work and the camp life in connection with this was the most enjoyable feature of the trip.

At Cow Bay, through the courtesy of Manager Evans, under the direction of Professor Hofman, the students explored the mines of the Cow Bay Colliery Company and made a survey of a part under the direction of Mr. J. P. Lyon. At the end of three weeks the squads again united at Sydney where the "glorious Fourth" was duly celebrated. Upon the invitation of Colonel Granger and Captain Gragg, the Coxheath Copper Mine was visited, and a delightful Fourth of July dinner, tendered by the Colonel, was partaken of by the Miners.

Mr. R. H. Brown, General Manager of the General Mining Association Coal Mines, entertained the party on the following day, and, under his direction, a tour of inspection of the mines at North Sydney was made.

On the sixth of July, the party started for home and thus ended the Summer School of Mining for 1894. It will long be remembered by the members as one of the pleasanest experiences of their Institute life and too much cannot be said in praise of the gentlemen, who planned and so successfully carried out the trip in every detail.

The Norwegian System.

At the last meeting of The Walker Club, a debate was held on "The Advisability of adopting the Norwegian System in the State of Massachusetts." For the benefit of those who may be unacquainted with this problem, it may be said that through the Norwegian System the element of private profits from the liquor business will be entirely eliminated, for the reason that the licenses in each town and city will be transferred wholly to one corporation, composed of public-spirited men, who are forbidden to realize any profit other than that of four per cent upon the shares they may hold. The remainder of the profits, after a certain amount has been deducted as a reserve fund, shall be employed for objects of public usefulness, including hospitals, parks, coffee-rooms, and other charitable undertakings.

The managers of these saloons, as servants of the company, shall be paid fixed salaries, so that it will be of no incentive to the bartender to stimulate and increase the trade. The saloons shall be plain, unadorned rooms, with no other attraction than the drink which they will contain. No man shall be allowed to linger in the saloon after having finished his drink, nor shall he receive a sufficient amount, at any one time, to intoxicate him. There shall be strict rules forbidding the selling of liquor to habitual drunkards, intoxicated persons, and minors. The elimination of the element of profits, by removing every incentive on the part of the bartender to break the rules, will make rigid enforcement possible; absolute purity of the liquor will be also guaranteed.

The principal debaters were Mr. McCarthy and Mr. Munroe on the Affirmative; Mr. Knight and Mr. Conant on the Negative. The speakers for the Affirmative brought forward the following reasons for the adoption of the system: the efforts made in past years toward prohibiting and regulating the sale of intoxicants have accomplished practically nothing, and the liquor question in Boston was cited as an example; Mr. McCarthy stated that for a number of years Boston had secured a high license with the result that although the number of saloons had been diminished, those men who still retain barrooms have become vastly enriched, the saloons have been made more attractive, and the temptations offered to a drinking man have become greater than ever. The affirmative also suggested that the liquor traffic would be placed, under the Norwegian System, in the hands of honest and upright men, working merely for the interests of mankind and not for any personal emolument. In that the system will provide for the sale of pure spirits, not a little of the present evil of the saloons will be avoided. Moreover, the sale of liquor will be entirely separated from politics; to-day, the saloons are the centers of the basest political corruption. Under the System advocated, the barrooms will be entirely free from the vicious ward-heeler, thus removing one of the most demoralizing elements of our city government.

The Negative argued that the system tended to establish a continual license, and that through its adoption, the hopes of the no-license men, or prohibitionists, would be entirely destroyed. Also, that since the management of the liquor business would be placed under one single corporation, there would be a tendency on the part of the stockholders to manage the System in a manner suited to their own pleasure, regardless of outside interests. They based their chief argument, however, in proving that the consumption of liquor would not be decreased, and in showing that the statement advanced by the Affirmative to this

effect was false; that the sale of liquor, which statistics had shown to decrease from one year to the next in Norway, was due to the fact that the year which they had chosen to start with was one of the worst in this respect which the country had been called upon to undergo, and that a change for the better was inevitable, regardless of the Norwegian System.

Ninety-five Theses (Continued).

COURSE VI.

- BENJ. ADAMS with A. P. SLOAN.—Study of Transformers.
- C. M. ADAMS with J. WIL. COOKE.—Investigations on a T.-H. 15-Kilowatt three-wire Transformer.
- E. C. ALDEN with J. B. BOOTH.—Study of Stanley Two-Phase Generator, Motor, and Transformer.
- LAWRENCE BARR with R. R. LAWRENCE.—Pyrometry.
- C. W. BERRY with L. F. HOWARD.—An investigation of em. f. due to thermo-electric couple on element Pt. and other Pt.-Rh. alloys, with object of obtaining $n=1$ in formula $\sum_t E = Mt^n$ and also to obtain further knowledge concerning the Thomson effect.
- JOHN BOEDEKER with W. A. HALL.—Test on Dynamo of Plant in State House Extension.
- J. B. BOOTH with E. C. ALDEN.—Study of Stanley Two-Phase Generator, Motor, and Transformer.
- C. P. COOKE with J. WIN. COOKE.—C. and E. Waves in Transformers.
- J. WINFIELD COOKE with C. P. COOKE.
- A. H. CLARK with A. W. DRAKE.—Heat tests on R.R. Motors.
- J. WIL. COOKE with C. M. ADAMS.—Investigations on a T.-H. 15-Kilowatt three-wire Transformer.
- H. P. CODDINGTON with ALDEN and BOOTH.
- A. D. DEAN with C. F. EVELETH.—Dielectric Hysteresis of Condensers.
- A. W. DRAKE with A. H. CLARK.—Heat tests on R.R. Motors.
- C. F. EVELETH with A. D. DEAN.
- M. L. FISH with D. LIBBY.—A Study of the Phase Relation of Alternating Currents. Optical Method.
- F. A. J. FITZGERALD.—The Use of the Telephone as a Detector of Alternating Currents.
- W. E. GOODYEAR with GERARD SWOPE.—Thermal Conductivity.
- G. W. HAYDEN.—Experiments upon Insulation at High Voltage.
- W. A. HALL with JOHN BOEDEKER.—Test on Dynamo of Plant in State House Extension.
- L. F. HOWARD with C. W. BERRY.
- H. A. HOLDREGE.—The Errors of Weston Ameters.
- S. P. HUNT with D. N. MARBLE.—Test on an Electric Light Station at Newton.

- F. KLEINSCHMIDT with J. H. WAGNER.—Test on Street Car Motor.
- H. O. LACOUNT with L. G. WAITE.—Candle Power of Alternating Current Lamps.
- R. R. LAWRENCE with LAWRENCE BARR.—Pyrometry.
- D. LIBBY with M. L. FISH.—A Study of the Phase Relation of Alternating Currents. Optical Method.
- D. N. MARBLE with S. P. HUNT.—Tests on Electric Light Station at Newton.
- A. F. NESBIT with W. F. PATTEN.—Transmission and Distribution of Power by the use of Inductance and Capacity.
- W. F. PATTEN with A. F. NESBIT.
- WALTER W. REED.—Study of a 3. K. W. Generator.
- H. A. RUST.—Carrying Power of Wires.
- J. C. SHERMAN.—Improvements in Resistance Boxes.
- A. P. SLOAN with BENJ. ADAMS.—Study of Transformers.
- GERARD SWOPE with W. E. GOODYEAR.—Thermal Conductivity.
- J. H. WAGNER with F. KLEINSCHMIDT.—Tests on Street Car Motor.
- L. G. WAITE with H. O. LACOUNT.—Candle Power of Alternating Current Lamps.

Course VII. has no graduates this year.

Course VIII. Theses will appear at a later date.

COURSE IX.

- C. B. SANBORN.—“Third Party Movements in American Politics.”
- LUTHER CONANT.—“The Office of President in the French Republic.”
- R. J. WILLIAMS.—“The World's Wheat.”
- A. P. BROWN.—“Comparison and Estimate of Scientific Theory for the Origin and Development of Religion.”

COURSE X.

- G. L. BIXBY and W. S. WILLIAMS.—The Calorific Power of Coal.
- E. E. DENISON and J. C. DICKERMAN.—A Test of the Smoke-preventing device of the Bacon Engineering Co.
- H. W. HAYWARD.—Soaps as adulterants of Hard Oil.
- S. P. HUNT, Courses X. and VI.—Course X. Thesis is An Investigation of the Methods of determining Methane and Hydrogen by Explosion.
- J. L. NEWELL and G. A. ROCKWELL.—The Fusibility of Fire Clays.
- W. C. POWERS.—The Forming Temperature of some Ferrous Slags.
- F. L. RICHARDS and C. C. TAFT.—A Test of the Boiler Plant of the New State House.
- R. K. SHEPPARD and A. L. CANFIELD (II.).—Test of a Refrigeration Plant.

COURSE XI.

- BRACKETT, W. C. with F. W. HARRIS.—A Design for the Extension of the Sewerage System for the City of Fitchburg.

GREEN, F. C. with R. N. WHEELER (I).—Design of a Sewerage system for the Town of Concord, Mass.

Course XII. has no graduates this year.

COURSE XIII.

- E. D. BARRY.—Calculation of the stability of oil steamer Maverick.
- C. H. CLARK with W. H. WINKLEY.—Design of an ocean-going tug.
- F. T. MILLER with R. G. B. SHERIDAN.—Test of the engine and boilers of Steamship Brookline.
- R. G. B. SHERIDAN with F. T. MILLER.—Test of the Engines and boilers of Steamship Brookline.
- W. H. WINKLEY with C. H. CLARK.—Design of an ocean-going tug.

First term conditions in subjects extending through both terms will be covered by clear records in May as follows:—First Year: Free Hand Drawing, Mechanical Drawing, Descriptive Geometry, Geometry (except IX.), French, German, Trigonometry; Second Year: French, German, Physics, Mechanism; Third Year: French, German, Thermodynamics; Fourth Year: History of the Renaissance. Conditions will not be covered, but distinct examinations held in the following subjects:—First Year, Chemistry; Second Year, Analytic Chemistry, Acoustics and Electricity, English Literature; Third Year, Analytic Chemistry, Theoretical Chemistry. In regard to other subjects, conditioned students are referred to the instructors in charge respectively.

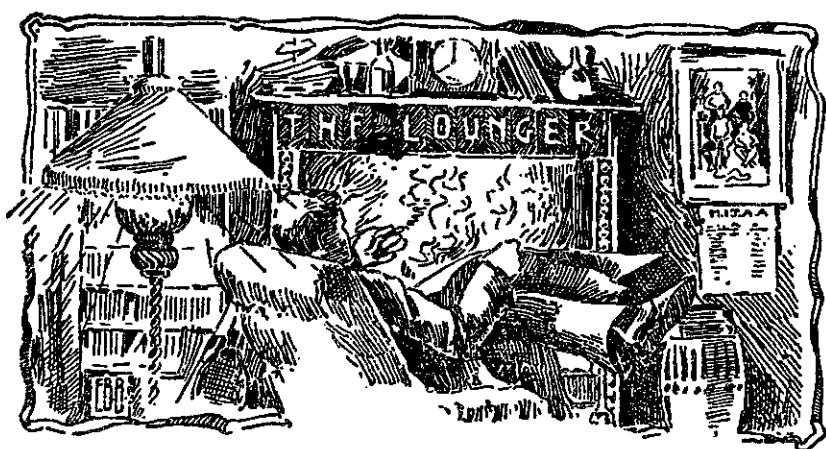
About twenty-five men turned out when the Oval was opened for training,—since that time the number has increased to over fifty individuals.

Mr. S. H. Brockunier, '93, has become Secretary of the Brook Gas Company at Wheeling, West Virginia.

Athletic!

There is much to baffle an athlete;
Many things to cripple his fame!
But there is one who is always a winner!
'Tis the cat in an “open scratch game.”

WHITE.



THE Lounger has small sympathy with those who malign the spring poet. He would be one himself did but the divine afflatus deign to descend upon his soul at an opportune moment. As the observant public has noticed, he occasionally lapses into verse on occasions like St. Valentines Day and other feasts where emoluments are more valuable than even his not overwhelming dividend in THE TECH's profits. In this connection he might observe that it has been many years since THE TECH has been on a remunerative basis. On the question whether its present financial burdens are due to the persistent refusals of Technology men properly to support a college paper, he has no compunctions in deciding in the affirmative. But "that is another story," and one not calculated to inspire the calm thoughts appropriate to Springtime. The evidences of its presence are everywhere at hand, however. THE TECH office boy has washed the windows, and the board coverings have been removed from the steps, each screw carefully numbered with its corresponding hole against the inclement days of next autumn. The proprietor of "my laboratory" has had his hat ironed, or, rather, ought to have, and the daffodils and the violets are, and of right ought to be, meditating of sprouting their annual sprout. Owing to the Lounger's arduous labors on behalf of Technology at large, he is confined within the tiresome limits of brick sidewalks and cobblestones during term time, and the bright botanic phenomena appear without his French assistance. This same devotion to duty compels him to sit in his corner and watch the "bloody rain" come down and make pretty wrecks of Easter finery, while the same gentle downpour transforms into a murky sea that triumph of highway engineering known as Boylston Street. Such are the fugitive thoughts engendered in the Lounger's brain at the presence of a budding season. The ideas are worthless, and, after the usual custom in such cases, he will let them stand for what they are worth.

Ninety-seven has done something. Their "Technique" Board is nearly all chosen, and the class has the Lounger's congratulations. An appeal to the artistic talent of the class lying in insinuating repose against the "Technique" Bulletin seemed recently to remind Technology that possibly our noble Juniors had occupied that vantage ground long enough. Ninety-six's mortgage on the location has certainly been of long duration, and its ending with the announcement of the Prize Competition will doubtless afford the present Sophomores a gratifying chance to exhibit their skill in catchy bulletins. Now that the Ninety-seven "Technique" artists are yet to be chosen, the Lounger might suggest, in view of the difficulties of securing impartial and wholly competent judges, that he has survived the vicissitudes and turmoils of several "Technique" Boards, and that he is prepared to settle this delicate matter to the satisfaction of all concerned.

As the Lounger's inherent modesty prevents any more extended exploiting of his attainments, he will graciously leave further action in this matter to the members of the Board, who, he trusts, are amenable to less violent arguments than the proverbial kick.

A pretty maid is nice to see,
And she is nice to woo.
It matters not how sweet she be
If she's not sweet on you.

—Yale Record.

THE MODERN LORELEI.

August—The Shore.

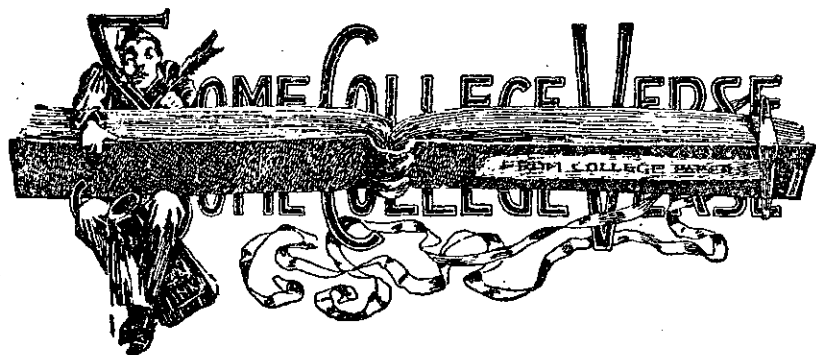
Roll, gray sea, on thy shining sands;
Sigh, young breeze, through the silent tree;
With a sad farewell and a touch of hands
My lover has gone from me.

Break, fond heart, with the parting grief:
Mine eyes, hold back your bitter tear,
And days revolving, be brief, be brief,
Till he come again next year.

December—The City.

Ah! haven't I met you before?
I seem to remember your face,—
How extremely crowded the floor,—
Yes, at Newport; the very place.
My card? Not a number left;
So sorry! What, must you be gone?—
And this, in the guise of a summer girl,
"Hat die Lorelei gethan"

—Cornell Era.



Beneath a mass of tangled hair
Two eyes look out at me;
Two eyes that shine with roguish light,
And laugh defiantly.

Sing, if you will, at laughing eyes
That dance so merrily;
It's different when the eyes are thine,
And only laugh at me.

—*Yale Record.*

"Where is the harm?" the maiden said.
"Why do you censure me?
Why you forbid dear Charley Jones
To call, I cannot see."

"Where is the harm?" the papa roared.
The maid stared in alarm.

"Last night I saw it all, and yet
You ask, 'Where is the arm?'"

—*University Chronicle.*

TRUE LOVE.

In summer she's a beauty,
With her fascinating curls;
In Winter her hair is straight
And she's ugly as other girls.

But I love her so in summer,
That I'm bound to make her mine;
So we're going South to seek
A perpetual summer clime.

—*Vassar Miscellany.*

RONDEAU.

A little note, that tells me she
Will hear Grand Opera with me;
A dainty square of creamy white
That augurs me one happy night
With Faust to hear and Grace to see.

The Auditorium balcony
Henceforth all glorified will be
Because sweet Grace had deigned to write a little note.

But each seat costs me dollars (3),
The carriage sticks me for a V.
And so dear bought is my delight
That I must meet (unlucky wight!)
Within the near futurity a little note.

—*U. of C. Weekly.*

EASTER SUNDAY.

"How beautiful the flowers,—
The lilies white and fair,—
The music was delightful,
The hymns, the chanted prayer.

"The toilets were so perfect,
Of textures rich and rare,
No wonder that each of us
Did at the other stare.

"O 'twas a glorious service,
And all the world was there!
'But how about the sermon?'
You've got me, I declare."

—*Lehigh Burr.*

A REVERIE.

Sing of the joys of a summer's night,
Tell of a harvest moon,
Shedding rays of a shimmering white,
Flooding a night in June.

Sing of the maid with a pretty face,
Tell of her laughing eyes,
Flashing the light which the moonbeams trace
Through the depths of summer skies.

Sing of the words she whispered then,
Echo the beating heart;
Tell of the bliss ecstatic, when
The lips their love impart.

And sing, alas, of a broken heart,
Tell of a love grown cold;
Forgotten vows and hidden pain,
And love that is bought with gold.

—*Trinity Tablet.*

THE CHARIOTEER.

The glitter of the dazzling sand beneath,
Around the droning hum of Rome's superb,
He sees and hears, and flushes for the trial.
Within his chariot's circling rim he stands,
His eye and ear intent upon his steeds,
His thoughts with one who peers down from above,
With inky hair, and mellow, tawny skin,
Who promised, should this day a victory bring,
To leave fair Greece and be a Roman bride.
A motion of his wrist, and off they go,
With foam-flecked flanks and madly tossing manes!
The turn! now fly! white, bonny Arab four;
The goal is near! thy master's hand is sure!
The post is turned! on! on! a few rods more!
He leans toward their striving, steaming flanks,
His face so pale, his bearing so intense.
The great whip cracks but once—and then a hush!
The finish must be close—then roar on roar—
For there across the Arab's snowy backs
Is flashed the saffron silk of Victory!

—*Yale Courant.*

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BOSTON.—The return of Eugene Tompkins' Spectacular Ballet Revelation, "The Black Crook," produced under the direction of Lawrence McCarty. Everything new.



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PARK.—Hoyt's "A Temperance Town." This popular play will be given by an admirable cast, including some of Boston's greatest favorites. Those few who missed the chance to witness "A Temperance Town" last year had better take advantage of the advance sale of seats, which is large. "A play to drive away the blues."

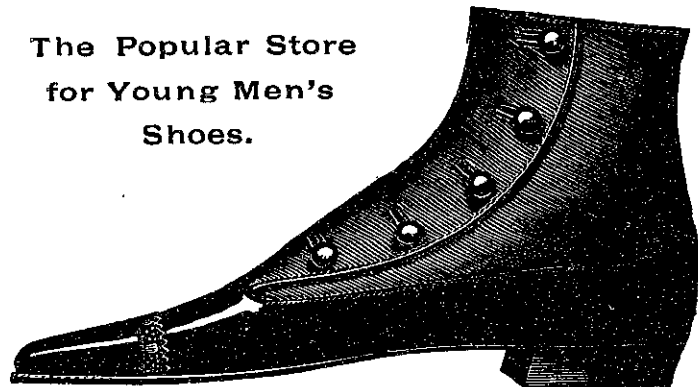
HOLLIS STREET.—Augustin Daly's Company of Comedians. Monday, Tuesday and Wednesday evenings and Wednesday matinee, "Orient Express" and "The Tragedy Rehearsal." Thursday evening, only time, "Bundle of Lies" and "Tragedy Rehearsal." Friday evening and Saturday matinee, "Lottery of Love." Saturday evening, "A Night Off." All presented by a strong cast, including great favorites. Regular Hollis Street prices.

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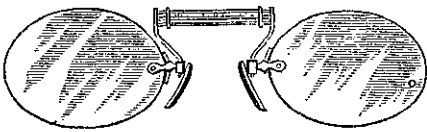
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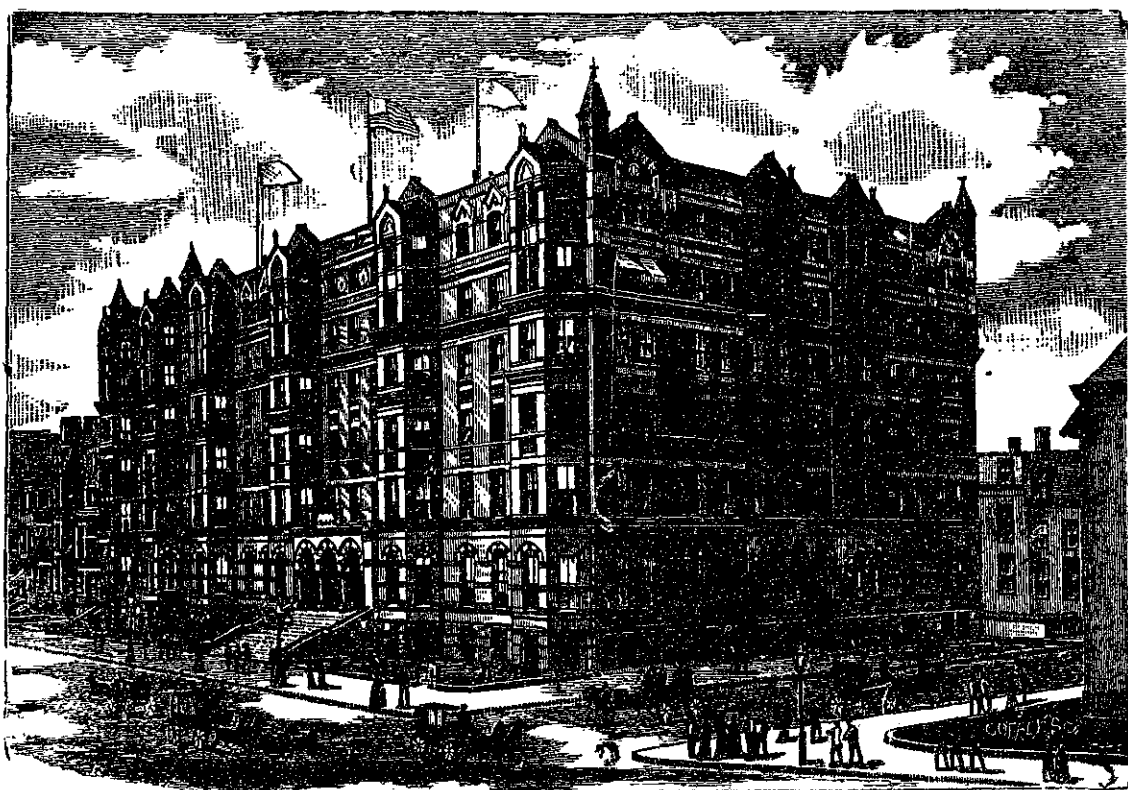
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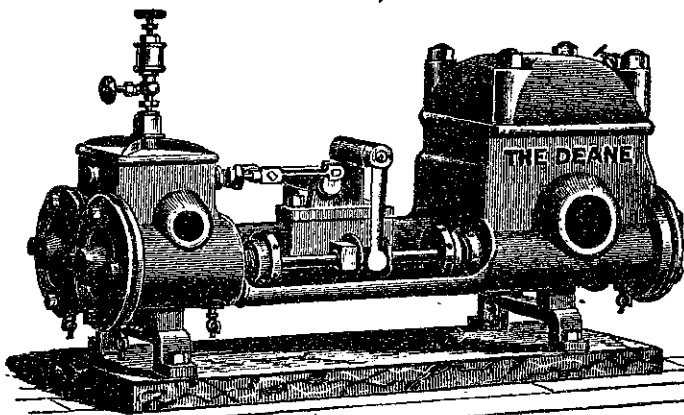
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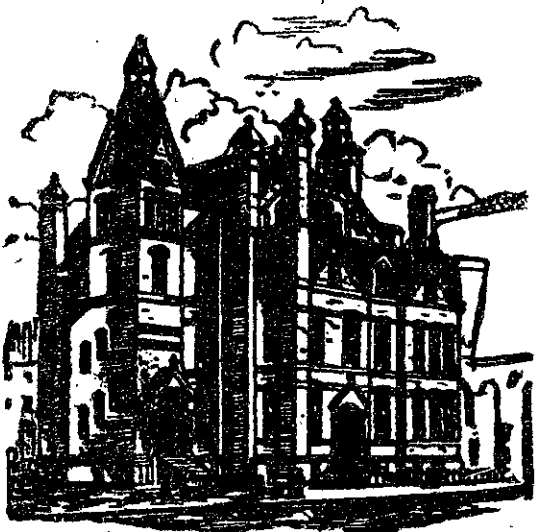
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